

Docket No. AUS990938US1

CLAIMS:

5 What is claimed is:

1. A logically partitioned data processing system, comprising:

a plurality of logical partitions;

10 a plurality of operating systems, each assigned to a
separate one of the plurality of logical partitions;

a plurality of assignable resources, wherein each of the plurality of assignable resources is assigned to one of the plurality of logical partitions;

15 a hypervisor, wherein the hypervisor emulates shared
resources and provides a virtual copy of the shared
resources to each of the plurality of logical partitions.

2. The logically partitioned data processing system as
20 recited in claim 1, wherein the shared resources comprise
an operator panel.

3. The logically partitioned data processing system as recited in claim 1, wherein the shared resources comprise a system console.

4. The logically partitioned data processing system as recited in claim 1, wherein the hypervisor receives a system message from one of the plurality of operating system images, appends an operating system identity to the message to produce a new message, and sends the new

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an external data processor;
ically partitioned o
claim 1, wherein inst
or are contained wi
ically partitioned o
claim 5, wherein the
memory.
ically partitioned o
claim 5, wherein the
read-only memory.
ically partitioned o
claim 5, wherein the
programmable read-only
ically partitioned o
claim 5, wherein the
erasable programmab
ically partitioned o
claim 5, wherein the
random access memor

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11. A method of providing separate copies of shared resources to each of multiple partitions within a data processing system, the method comprising:

receiving, at a hypervisor, a message from a one of a plurality of operating system images, executing within

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the data processing system, intended for a shared resource;

5 encoding the message and the identity into a new
 message; and

10 12. The method as recited in claim 11, wherein the
shared resource is an operator panel.

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14. The method as recited in claim 11, further comprising:

20 decoding the external data to determine an input, an
identity of the shared resource, and an intended one of
the plurality of operating system images; and

15. A computer program product for providing separate
copies of shared resources to each of multiple partitions
30 within a data processing system, the computer program
product comprising:

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seventh instructions for transmitting the input to the intended one of the plurality of operating system images with an indication the identity of the shared resource from which the input corresponds.

19. A system for providing separate copies of shared resources to each of multiple partitions within a data processing system, the system comprising:

second means for determining an identity of the one of the plurality of operating system images;

fourth means for transmitting the new message to an external data processing system for presentation to a user.

21. The system as recited in claim 19, wherein the shared resource is a system console.

25 fifth means for receiving external data from the
external data processing system;

30 seventh means for transmitting the input to the intended
one of the plurality of operating system images with an

the identity of the share corresponds.

for partitioning share using:

data processing system plurality of partitions one of a plurality of plurality of assignable hypervisor for providing one of a shared system and data processing system ing system, wherein the system receives a message message indicates to whi system images the messa second data processing s user with an indication corresponding to the me

tem as recited in claim system, responsive to ope e of the plurality of op s encapsulated data, com indication of the corre , to the hypervisor, and decodes the encapsulated ut to the corresponding

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30 image.